

Patent claims

1. Coating composition comprising
 - 5 a) at least one chemically reacting and/or inert binder,
 - b) at least one substance which releases gases at elevated temperature,
 - 10 c) at least one friction-reducing additive.
2. Coating composition according to claim 1, wherein component b) gives a gas yield of ≥ 50 ml/g.
3. Coating composition according to claim 1, wherein
15 component b) is selected from azo compounds, hydrazine derivatives, tetrazoles, benzoxazines, carboxylic acids and derivatives thereof, peroxo compounds, peracids and salts thereof, inorganic carbonates and hydrogen carbonates, explosive
20 substances and alkali metal azides and ammonium azides.
4. Coating composition according to claim 1, wherein component b) is selected from hexahydro-1,2,3-
25 trinitro-1,3,4-triazine, N-methyl-N,2,4,6-tetranitroaniline and 2,4,6-trinitrophenol.
5. Coating composition according to claim 1, wherein component b) is in microencapsulated form.
- 30 6. Coating composition according to claim 1, wherein the friction-reducing additive is selected from graphites, metal sulfides, polyolefins and fluorinated polyolefins.
- 35 7. Coating composition according to claim 1, wherein the friction-reducing additive is selected from polyethylene, polytetrafluoroethylene, graphite and molybdenum disulfide.

8. Coating composition according to claim 1, wherein component a) is selected from reactive monomers or reactive polymers or copolymers having an average molecular weight in the range from 300 to 25,000.
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9. Coating composition according to claim 8, wherein component a) is selected from (meth)acrylic resins, epoxy resins and polyurethanes containing isocyanate groups.
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10. Coating composition according to claim 1, wherein component a) is selected from inert thermoplastic polymers and copolymers
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11. Coating composition according to claim 10, wherein component a) is selected from polyolefins, polyamides saturated polyesters, poly(meth)acrylates and copolymers thereof.
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12. Coating composition according to claim 1, wherein the binder is an inorganic binder.
13. Coating composition according to claim 12, wherein the inorganic binder is selected from waterglass, cement, lime and gypsum.
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14. Coating composition according to claim 1, which comprises electrically conductive or thermally conductive substances in the form of fibers, particles, microbeads, hollow microbodies and/or wires.
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15. Method of disassembling a socket/pin connection or threaded connection sealed or locked with a set coating composition according to claim 1, wherein the socket/pin or threaded connection or a workpiece comprising such a socket/pin or threaded connection is exposed at least in part to a temperature at which component b) releases gases,
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the temperature is maintained for a period sufficient to reduce the cohesive and, if appropriate, adhesive strength of the fully cured coating composition, and the threaded parts are unscrewed.

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